

## LIFT COLLISION AVOIDANCE SYSTEM

### ABSTRACT OF THE DISCLOSURE

The present invention is directed to systems, devices and methods for avoiding collisions and detecting objects proximate to a surface. In one embodiment, a system for collision avoidance includes at least one sensor adapted to sense an object above a lift device and a controller linked to the at least one sensor and linked to the drive components of the device and adapted to interrupt operation of the lift drive when the lift device approaches or touches the object. In another aspect of the invention, at least one controller is linked between at least one hand control and at least one drive adapted to move a lift device, the controller being adapted to interrupt operation of the drive when the lift device approaches or touches an object.

